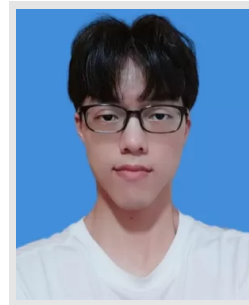


Zhixin Ling(凌致新)



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🌐 <https://1069066484.github.io/> 🎓 master 👤 male

🎓 Educational Background

2016.09 - 2020.06	Shanghai Jiao Tong University	Computer Science and Technology
GPA : 3.82/4.30 (20.55%)	CET6 : 591	
2020.09 - 2023.06	Fudan University	Software Engineering
GPA : 3.60/4.00 (25.53%)	Excellent Academic Scholarship(2020-2021)	

📄 Academic Projects

Publications:

- *Multi-Level Region Matching for Fine-Grained Sketch-Based Image Retrieval*. **Zhixin Ling**, Zhen Xing, Jiangdong Li, Li Niu*. **ACMMM2022** (CCF A) [ATT1]
Abs: 1. We extract region features via novel LAMA. 2. We attentively produce global matching score.
- *Conditional Stroke Recovery for Fine-Grained Sketch-Based Image Retrieval*. **Zhixin Ling**, Zhen Xing, Xiangdong Zhou*. **ECCV2022** (CCF B) [ATT4]
Abs: 1. Unsupervised stroke extraction. 2. Image-conditioned sketch recovery. 3. Double-anchor InfoNCE.
- *Zero-Shot Sketch-Based Image Retrieval with Structure-aware Asymmetric Disentanglement*. Jiangdong Li, **Zhixin Ling**, Li Niu*. **CVIU2022** (CCF B) [ATT2]
Abs: We decouple image into structure and appearance and perform multi-space feature retrieval.
- *Few-shot Single-view 3D Reconstruction with Memory Prior Contrastive Network*. Zhen Xing, Yijiang Chen, **Zhixin Ling**, Xiangdong Zhou*, Yu Xiang. **ECCV2022** (CCF B) [ATT9]
Abs: a. Store shape prior for few-shot 3D construction. b. 3D-aware contrastive loss.
- *DoveNet: Deep Image Harmonization via Domain Verification*. Wenyan Cong, Jianfu Zhang, Li Niu, Liu Liu, **Zhixin Ling**, Weiyan Li, Liqing Zhang*. **CVPR2020** (CCF A) [ATT3]

In-review Papers:

- *PanoSwin: A Panoramic Shift Windowing Scheme for Panoramic Tasks*. **Zhixin Ling**, Xiangdong Zhou*. [ATT5]
Abs: 1. New shift windowing for 360 images. b. Conventional knowledge transfer to 360 images.
- *SKP: Selective Knowledge Preservation for Zero-Shot Sketch-Based Image Retrieval*. **Zhixin Ling**, Jian Zhou, Xiangdong Zhou*. [ATT6]
Abs: 1. Selective knowledge preservation. 2. Category granularity inconsistency. 3. Sketch augmentation.

Additional projects:

We adapt YOLO framework for panoramic images(Data aug, inference, side padding, etc.) [ATT7]

Internship projects(ByteDance, computer vision internship, 2022.05 - Now):

- A survey on diffusion models for image generation [ATT8].
- As a member in color matching project: I analyze color distribution in salient objects and texts.

👤 Other Information

- Major skills: Computer vision, image retrieval, object detection, panoramic images, deep learning
- Social practice: As chief of Fudan Zhuxin Club, I've organized several public service projects.